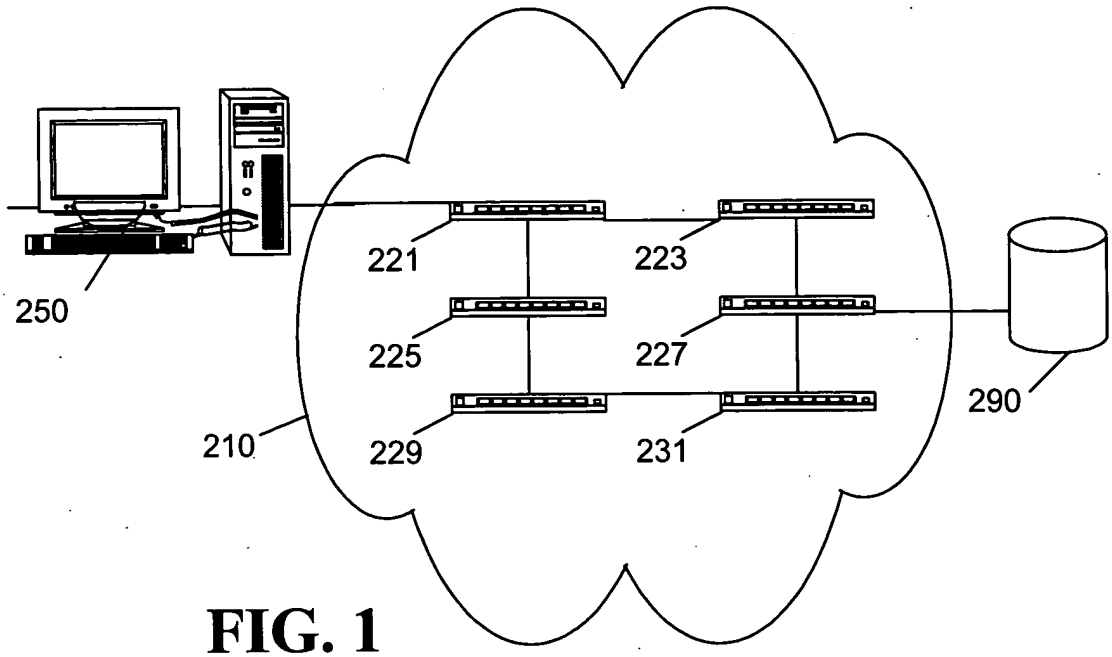
250
221
223
225
227
229
231
210
290

FIG. 1

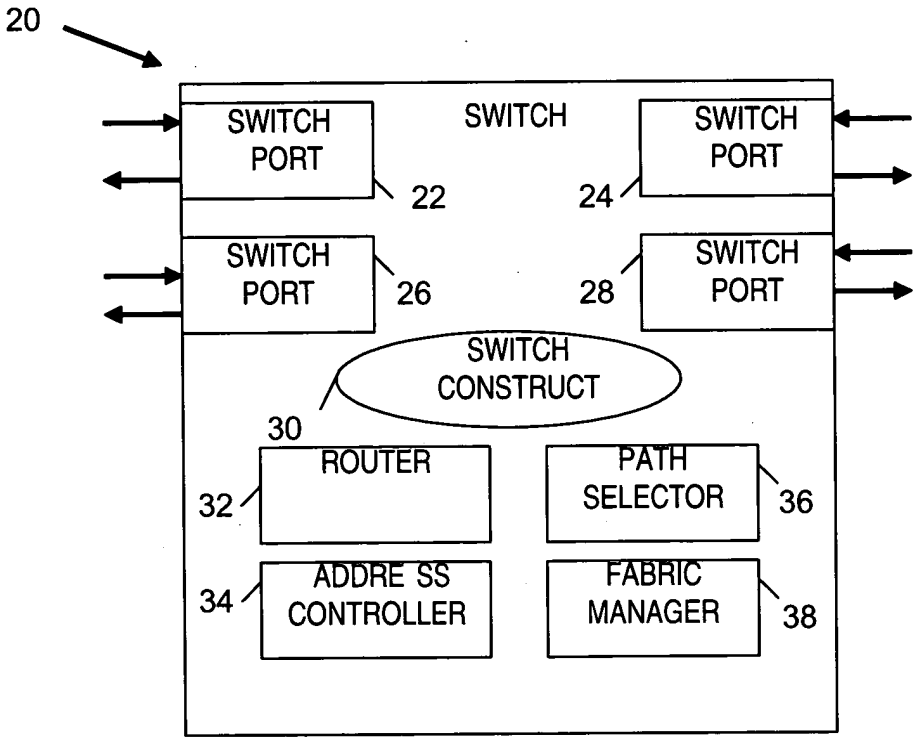
20
SWITCH
SWITCH PORT
22
SWITCH PORT
24
SWITCH PORT
26
SWITCH PORT
28
SWITCH CONSTRUCT
30
ROUTER
32
PATH SELECTOR
36
ADDRE SS CONTROLLER
34
FABRIC MANAGER
38

FIG. 2A

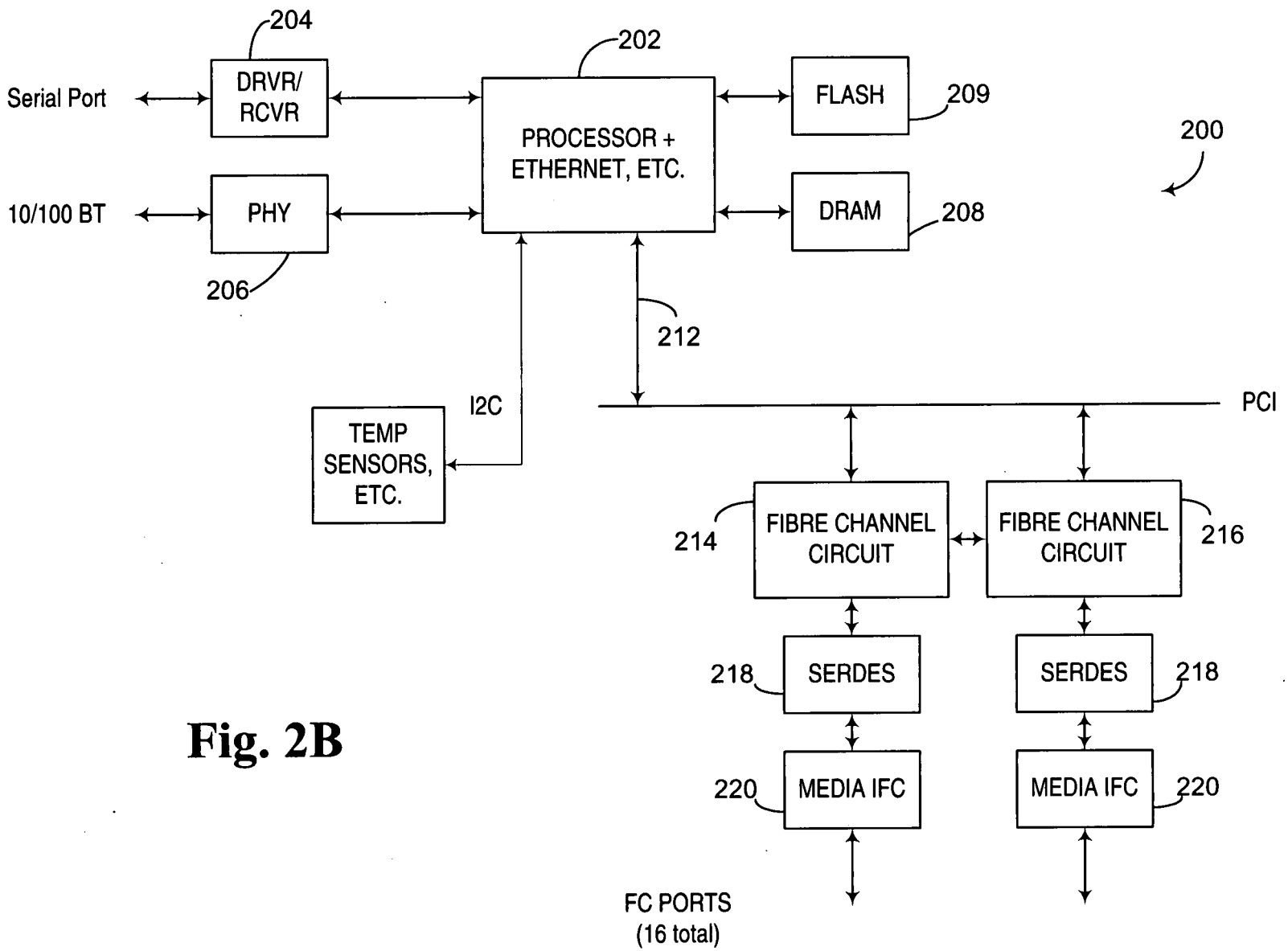
204
202
Serial Port
DRVR/
RCVR
PROCESSOR +
ETHERNET, ETC.
FLASH
209
200
10/100 BT
PHY
DRAM
208
206
212
I2C
PCI
TEMP
SENSORS,
ETC.
214
FIBRE CHANNEL
CIRCUIT
FIBRE CHANNEL
CIRCUIT
216
218
SERDES
SERDES
218
220
MEDIA IFC
MEDIA IFC
220
FC PORTS
(16 total)

**Fig. 2B**

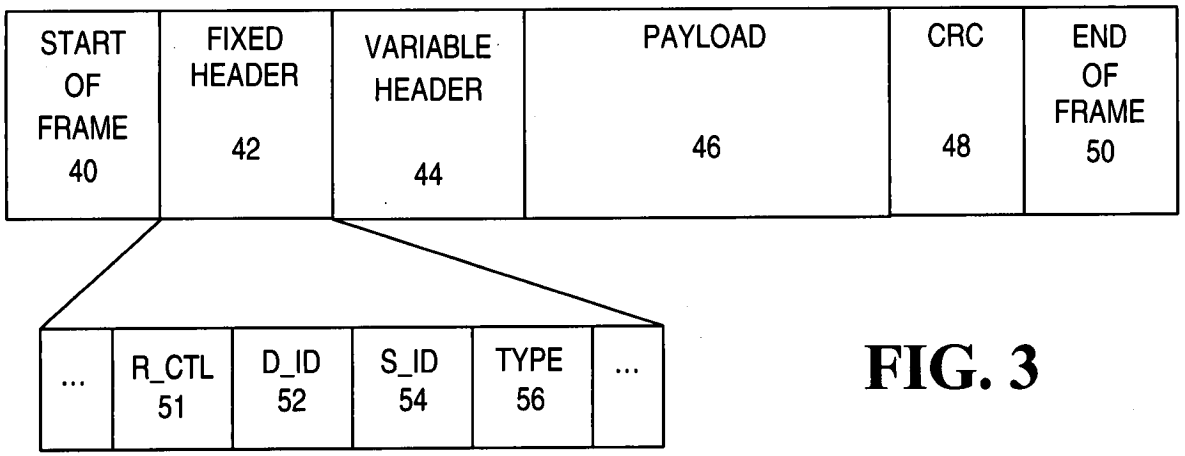
START OF FRAME 40
FIXED HEADER 42
VARIABLE HEADER 44
PAYLOAD 46
CRC 48
END OF FRAME 50
... R_CTL 51 D_ID 52 S_ID 54 TYPE 56 ...

FIG. 3

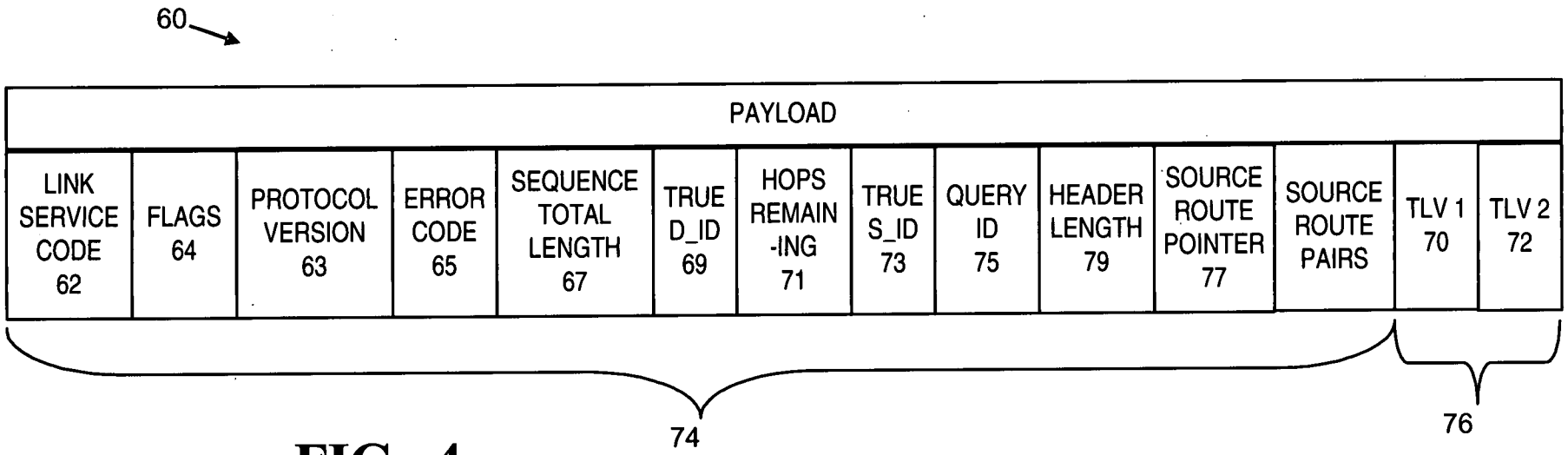
60
PAYLOAD
LINK SERVICE CODE 62
FLAGS 64
PROTOCOL VERSION 63
ERROR CODE 65
SEQUENCE TOTAL LENGTH 67
TRUE D_ID 69
HOPS REMAIN -ING 71
TRUE S_ID 73
QUERY ID 75
HEADER LENGTH 79
SOURCE ROUTE POINTER 77
SOURCE ROUTE PAIRS
TLV 1 70
TLV 2 72
74
76

FIG. 4

| BIT # | NAME | COMMENT |
|---|---|---|
| 0 | PI_REVERSE_F | TRACE REVERSE PATH |
| 1 | PI_B_STATS_F | INCLUDE BASIC STATISTICS |
| 2 | PI_E_STATS_F | INCLUDE EXTENDED STATISTICS |
| 3 | PI_SRC_ROUTE_F | SOURCE ROUTING |
| 4 | PI_FLOOD_F | FLOOD |
| 5 | PI_QRY_NPORT_F | QUERY NPORT |
| 6 | PI_RESPONSE_F | RESPONSE |

FIG. 5

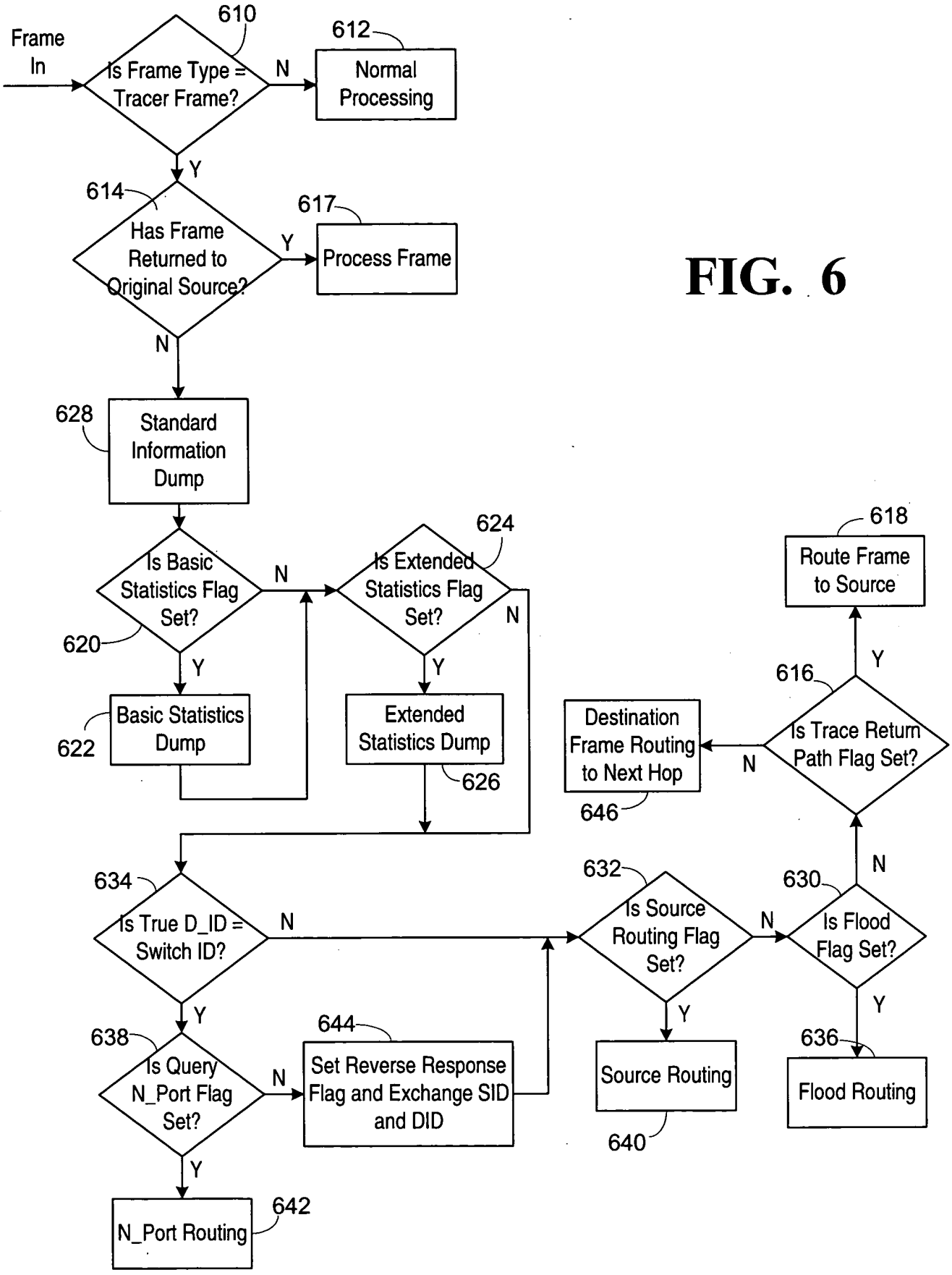
Frame In
610
Is Frame Type = Tracer Frame?
N
612
Normal Processing
Y
614
Has Frame Returned to Original Source?
Y
617
Process Frame
N
628
Standard Information Dump
Is Basic Statistics Flag Set?
620
N
624
Is Extended Statistics Flag Set?
N
Y
Y
622
Basic Statistics Dump
Extended Statistics Dump
626
618
Route Frame to Source
Y
616
Is Trace Return Path Flag Set?
N
Destination Frame Routing to Next Hop
646
634
Is True D_ID = Switch ID?
N
632
Is Source Routing Flag Set?
N
630
Is Flood Flag Set?
N
Y
Y
Y
638
Is Query N_Port Flag Set?
N
644
Set Reverse Response Flag and Exchange SID and DID
Source Routing
640
636
Flood Routing
Y
N_Port Routing
642

FIG. 6